

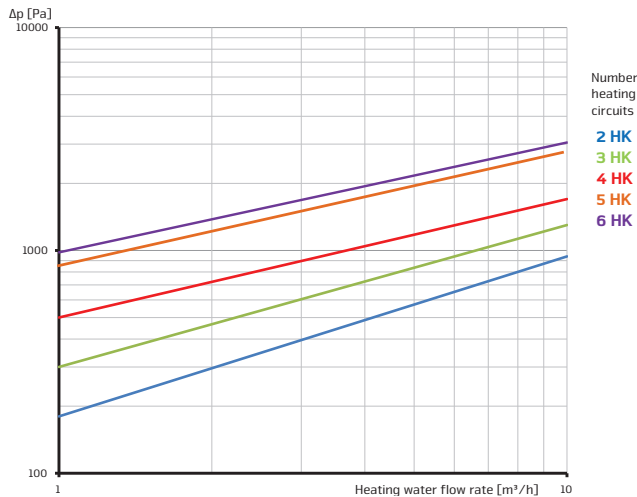
Technical data

Boiler manifold 120/80 with NPT – Pipe distance (OC) 200mm (7 7/8")

Combined flow and return manifold consisting of rectangular tubing with chambers made of black sheet steel S235 arranged adjacent to one another and separated by sinusoidal parting wall. The compact manifold is factory pressure tested and primed.

Pressure loss in flow and return

Pressure loss diagram illustrating the respective pressure drop depending on the water flow rate at given number of heating circuits.



Contact certification

Type	Boiler manifold 120/80
Operating pressure	max. 4 bar or 58 psi
Operating temperature	max. 0/+110°C or 230°F
Contact	Sinus North America 321 Shoemaker St Kitchener, ON, N2E 3B3 CANADA

Number heating circuits	Length		Capacity at ΔT 20 K		Heating water flow rate		Water content		Heat transfer at 70°/50° C (158°/122°F)			Return increase	Connection to heating circuits/Connection to boiler circuit	Pipe distance (OC)		Wall thickness	
	[HC]	[mm]	[in inch]	[kW]	[MBH]	[m³/h]	[gpm]	[liter]	[gal]	[Kw]	[Btu]			[%]	[in inch]	[mm]	[in inch]
2	700	27.6	150	511.8	6.5	28.6	5.8	1.53	2.0	6.8	1.3	0.2	1 ½" / 2" NPT	200	7 7/8"	3	0.1
3	1,100	43.3	150	511.8	6.5	28.6	9.2	2.43	3.0	10.2	2.0	0.4	1 ½" / 2" NPT	200	7 7/8"	3	0.1
4	1,500	59.1	150	511.8	6.5	28.6	12.9	3.41	4.0	13.6	2.7	0.5	1 ½" / 2" NPT	200	7 7/8"	3	0.1
5	1,900	74.8	150	511.8	6.5	28.6	15.9	4.20	5.0	17.1	3.3	0.7	1 ½" / 2" NPT	200	7 7/8"	3	0.1
6	2,300	90.6	150	511.8	6.5	28.6	19.3	5.10	6.0	20.5	4.0	0.8	1 ½" / 2" NPT	200	7 7/8"	3	0.1
7	2,700	106.3	150	511.8	6.5	28.6	22.7	5.99	7.0	23.9	4.7	0.9	1 ½" / 2" NPT	200	7 7/8"	3	0.1
8	3,100	122.0	150	511.8	6.5	28.6	26.1	6.89	8.0	27.3	5.3	0.9	1 ½" / 2" NPT	200	7 7/8"	3	0.1